Waukesha 4-H Project Guide

Category: STEM (Science Technology Engineering Math)



4/2021

4-H Project	Subprojects under this project
Astronomy	• Physics
Astronomy	• Geology
Things you might learn in this project:	Names and identities of constellations
	Different types of stars
	Relationship between gravity and weight
	 Organization of the solar system Differences and similarities between objects, like meteors, asteroids,
	 Differences and similarities between objects, like meteors, asteroids, comets, planets, galaxies, and stars
	What causes a meteor shower
	The ages of the universe and the Earth
	Learn the different rock ages
	 Learn the different rock types (sedimentary, igneous, metamorphic)
Learning activities/	Trip to Retzer Nature Center's planetarium
workshops/ field trip	Meteor shower observation
ideas:	Telescope viewing
	Trip to the Chicago Planetarium
	Trip to the Madison Geology Museum
Ideas of things you might	Book of constellations with labels
exhibit in the fair:	Solar system diorama
	Report on how the universe and/or Earth was formed over eons
	Rock collection with labels
	Poster of the geology of Wisconsin / Waukesha County
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References & Resource	https://geoscience.wisc.edu/museum/
links:	http://www.gov.pe.ca/photos/original/4h astronomyAG.pdf
	http://ceshasta.ucanr.edu/files/142073.pdf
	 https://nightsky.jpl.nasa.gov/email.cfm?Member ID=13147&Club ID=
	https://obje/th.org/sites/obje/th/files/imse/265_01_Astronomy_2015%
	• https://ohio4h.org/sites/ohio4h/files/imce/365_01_Astronomy_2015%
	283%29.pdf https://outopsign.nurdug.edu/4h/Daguments/Bagguregs/4U-011-6-ndf
	• https://extension.purdue.edu/4h/Documents/Resources/4H-911-6.pdf
	• https://www.kansas4-h.org/events-activities/volunteer-
	trainings/spacetech/docs/Astronomy_Its_Out_of_This_World.pdf
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